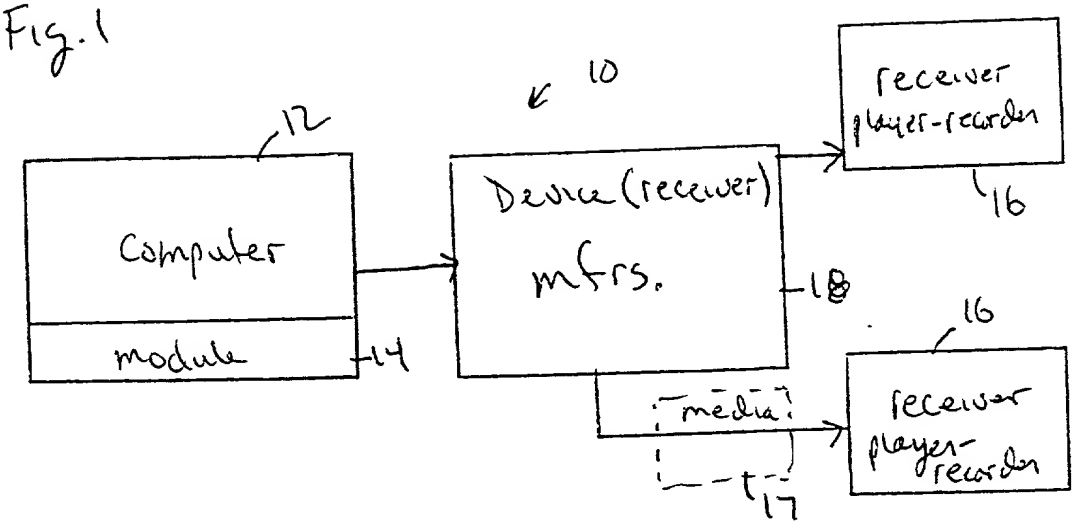
Fig. 1



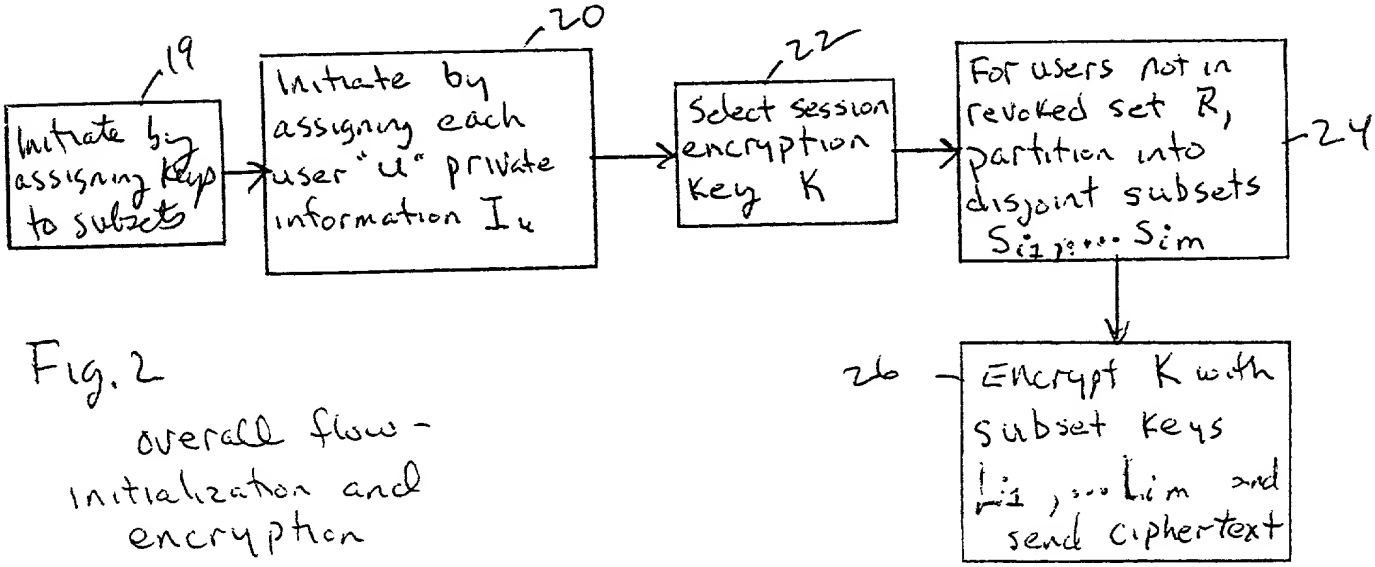


Fig. 2

overall flow - initialization and encryption

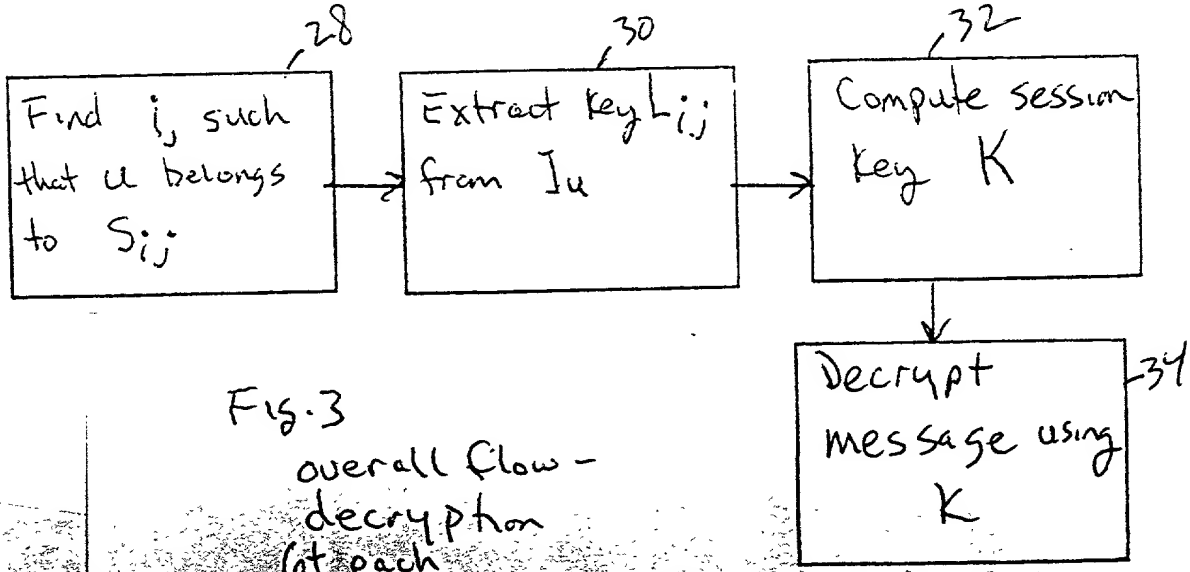


Fig. 3

overall flow - decryption (at each receiver u)

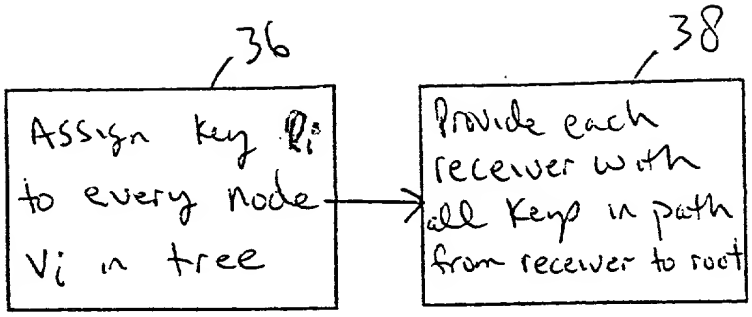


Fig. 4 – Key assignment, Complete Subtree

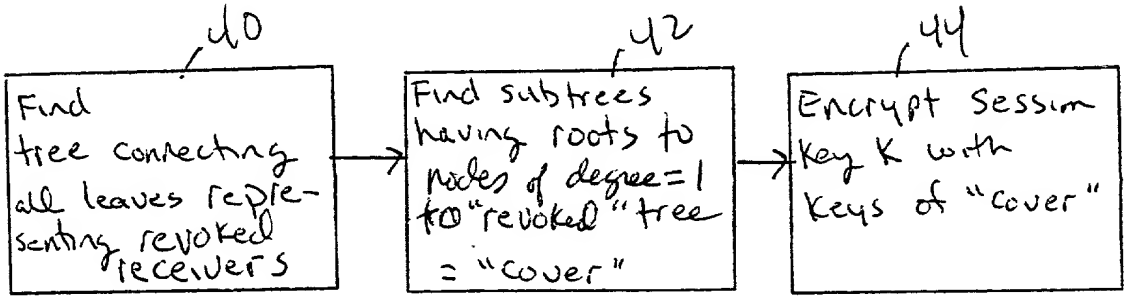


Fig. 5 – Complete Subtree encryption using "cover"

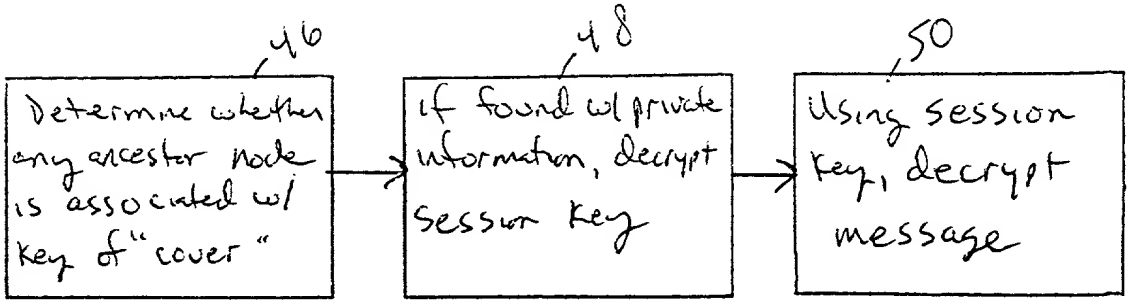
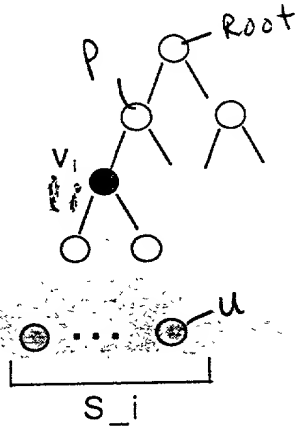


Fig. 6 – Complete Subtree Decryption

Fig. 7 Complete subtree



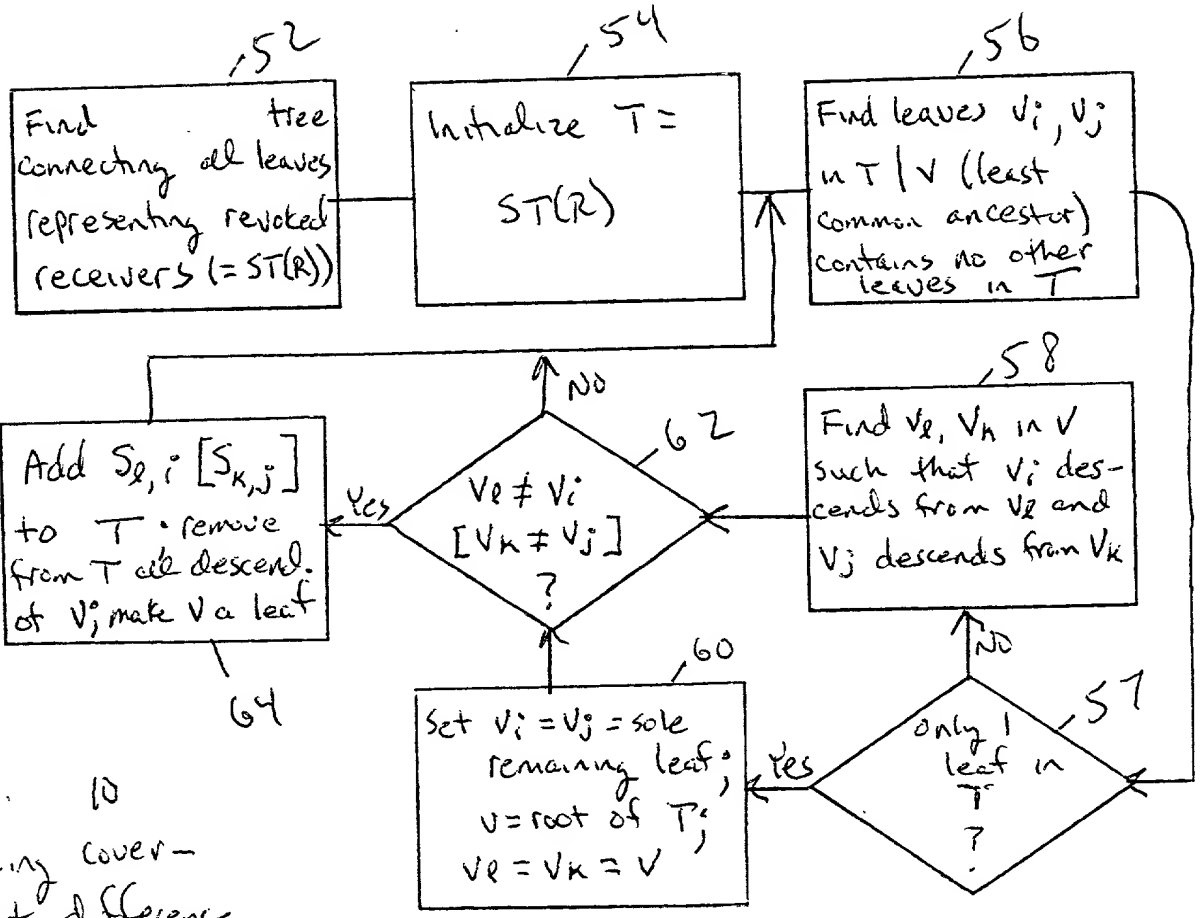


Fig. 10 defining cover-subset difference

Fig. 13- key assignment - subset difference

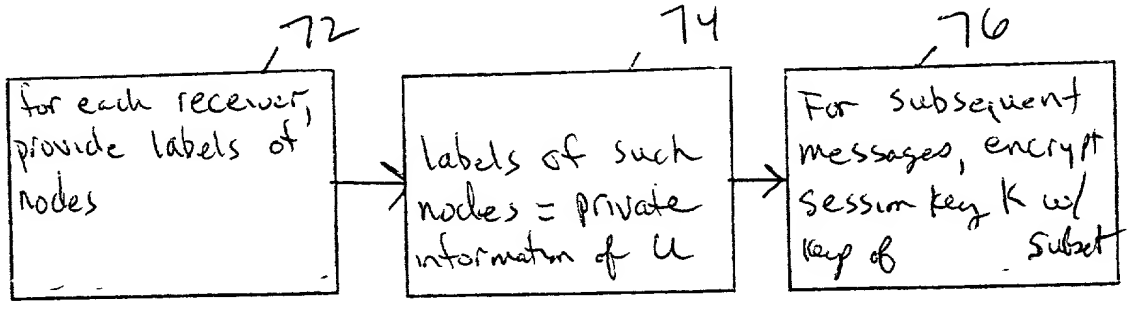
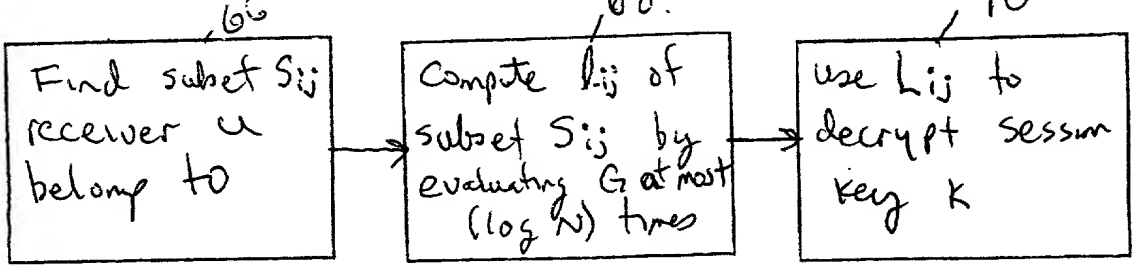


Fig. 12- decryption, subset difference



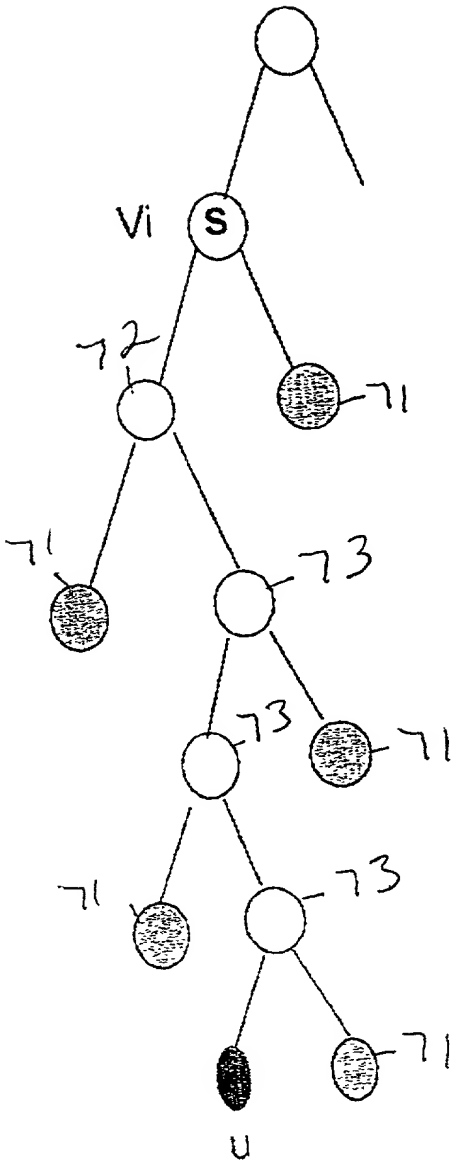
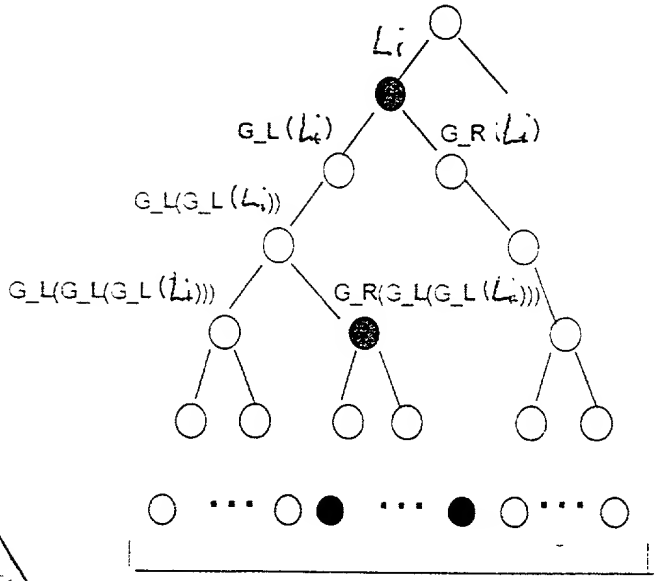
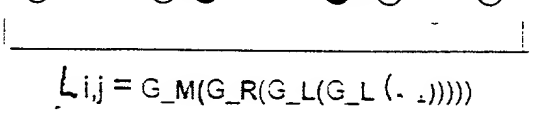


Fig. 14 – Assignment of Labels Subset difference method

Fig. 11 – key assignment in subset difference method.





$L_{i,j} = G_M(G_R(G_L(G_L(\ldots))))$

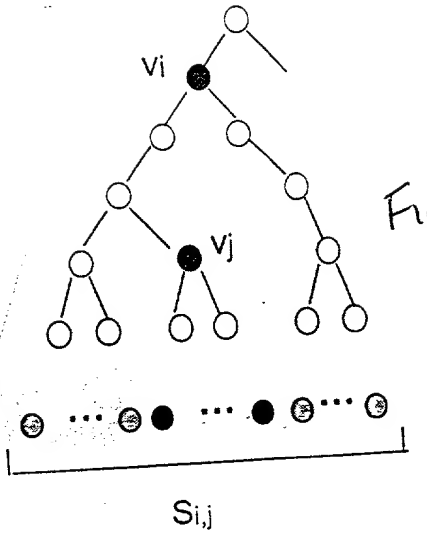


Fig. 8

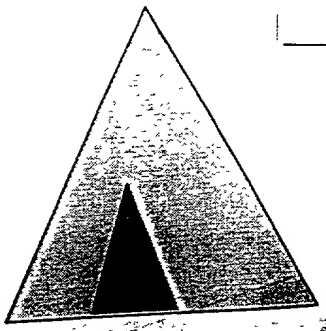


Fig. 9